

**Applicants:** Landes *et al.*  
U.S.S.N. 10/805,177

**In the Specification:**

Please replace at the end of the specification the initial sequence listing filed on December 16, 2004 with the substitute sequence listing, pages 1-[##], submitted herewith.

Please replace paragraph [0351] with the following amended paragraph:

**[0351]** Nucleotide sequence of heavy chain variable region and a portion of constant region:

5' CGGCCGCTATTACCCAGAGACAGGGAGAGGCTTCTGTGTAGTGGTGTGCAGAGCCTCATGCATCACG  
GAGCATGAGAAGACATTCCCCTCTGCCACCTGCTCTGTCCACGGTTAGCCTGCTGTAGAGGAAGAAGGAGCCGT  
CGGAGTCCAGCACGGGAGGCGTGGTCTTGAGTTCTCCGGCTGCCATTGCTCTCCCACTCCACGGCGATGTC  
GCTGGGGTAGAACGCTTGTACCAGGCAGGTGACCTGGTCTGGTCATCTCCCTGGGATGGGGCAGG  
GTGTACACCTGTGGCTCTCGGGCTGCCCTTGGAGATGGTTCTCGATGGAGGACGGGAGGCCTTGT  
TGGAGACCTTGCACTGTACTCCTGCCGTTAGCCAGTCCTGGTGCAGGACGGTAGGGACGCTGACCACACGGTA  
CGTGTGTTGAACTGCTCCTCCCGGGCTTGTCTTGCATTATGCACCTCCACGCCATCCACGTACCAAGTGAAC  
TGGACCTCGGGTCTCCTGGCTCACGTCCACCACGACGTGACCTCAGGGTCCGGGAGATCATGAGAGTGT  
CCTGGGTTTGGGGGAACAGGAAGACTGATGGTCCCCCAGGAACCTAGGTGCTGGCATGATGGGATGGGG  
ACCATATTGGACTCAACTCTCTGTCCACCTTGGTGTGCTGGCTGTGATCTACGTTGCAGGTGAGGTCTTC  
GTGCCAAGCTGCTGGAGGGCACGGTACCCACGCTGCTGAGGGAGTAGACTCTGAGGACTGTAGGACAGCCGGGA  
AGGTGTGCAOGCCGCTGGTCAGGGCGCTGAGTTCCACGACACCGTCACCGGTCGGGAGATAGTCTTGACCA  
GCAGCCCAGGGCGGTGCTCTGGAGGTGCTCTGGAGCAGGGCGCCAGGGGGAAAGACGGATGGGCCCTGGT  
GAAGCTGAGGAGACGGTGACCAGGGTCCCTGGCCCCAGTAGTCAAACCCCCAGTGATGTCTACTATTATCATAGT  
AATCTCTCGCACAGTAATAACACAGCCGTGCTCTGGCTCAGGCTGTCAGTGGAGTCTGCATAGAGTTATTACTCC  
ATTGTCTCTGGAGATGGTGAATCGCCCTCACGGAGTCTGCATAGAGTTATTACTCCATACGGTGTCTGG  
GCCACCCATTTCAGCCCCCTGCTGGAGCTGGCGGACCCAGTGCACTGCCATAGCGACTGAAGATGAATCCAGAC  
CTGCACAGGAGAGTCTCAGGGACCTCCCAAGGCTGGACCACGCCCTCCCCAGACTCCACCAAGCTGCACCTGACACTG  
GACACCTTTAAAATAGCCACAAGAAAAAGCCAGCTAGCCAAACTCCATGGTGGTCACT3' **(SEQ ID NO: 136)** **(SEQ ID NO: 49)**

Please replace paragraph [0352] with the following amended paragraph:

**[0352]** Amino acid sequence of heavy chain variable region and a portion of constant region encoded by ~~SEQ ID NO:136~~ **SEQ ID NO: 49:**

~~MEFGLSWLFLVAILKGVQCQVQLVESGGVVQPGRSRLSCAASGFIFSRYGMHWVRQAPGKGLKWVAVIWYDGSNKLYADSVKGRTFISRDNSKNTLYLQMNSLRAEDTAVYYCARDYDNRHHWGFDTWGQGTLVTVSSASTKGPSVFLAPCSRSTSESTAALGCLVKDYFPEPVTSWNSGALTSGVHTFPAVLQSSGLYSLSVTVPSSLGKTYTCNVDHKPSNTKVDKRVESKYGPPCPSCPAPEFLGGPSVFLFPPKPDTLMISRTPEVTCVVVDVSQEDPEVQFNWYVDGEVHNAKTGPREEQFNSTYRVVSLTVLHQDWLNGKEYKCKVSNKGLPSSIETKISKAKGQPREPQVYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSRLTVDKSRWQEGNVFSCSVHEALHNHYTQKSLSLSLGK~~ **(SEQ ID NO:137)** **(SEQ ID NO: 50)**

**Applicants:** Landes *et al.*  
**U.S.S.N. 10/805,177**

Please replace paragraph [0353] with the following amended paragraph:

[0353] Nucleotide sequence of light chain variable region and a portion of constant region:

5' AGTCGACCACCATGGAAACCCCAGCGCAGCTCTTCTCTCCTCTGCTACTCTGGCTCCAGATACCACCGGAGAT  
ATTGTGATGACCCAGACTCCACTCTCCCTGCCCGTCACCCCTGGAGAGCCGGCTCCATCTCTGCAGGTCTAGTC  
GGAGCCTCTGGATAGTGTGATGGAAACACCTATTGGACTGGTACCTGCAGAAGCAGGGCAGTCTCCACAGCT  
CCTGATCTACACGCTTCTATCGGGCCTCTGGAGTCCCAGACAGGTTCACTGGCAGTGGTCAGGCACGTGATTTC  
ACACTGAAAATCAGCAGGGTGGAGGCTGAGGATGTTGAGTTATTACTGCATGCAACGTGTAGAGTTCTATCA  
CCTTCGGCCAAGGGACACGACTGGAGATTAACGAACCTGTGGCTGCACCATCTGTCTTCACTTCCGCCATCTGA  
TGAGCAGTTGAAATCTGGAACTGCCTCTGTTGTGCTGCTGAATAACTCTATCCAGAGAGGCCAAGTACAG  
TGGAAAGGTGGATAACGCCCTCCAATCGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGGACAGCACCT  
ACAGCCTCAGCAGCACCCCTGACGCTGAGCAAAGCAGACTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCA  
TCAGGGCCTGAGCTGCCGTACAAAGAGCTAACAGGGGAGAGTGTAGGCGGCCG3' ~~(SEQ ID NO: 138)~~ ~~(SEQ ID NO: 51)~~

Please replace paragraph [0354] with the following amended paragraph:

[0354] Amino acid sequence of light chain variable region and portion constant region by SEQ ID NO:138 SEQ ID NO: 51:

METPAQLLFLLWLPTTGDIVMTQTPLSLPVTPGE~~PAS~~ISCRSSRSLLSDDGNTYLDWYLQKPGQSPQLLIYT  
LSYRASGVPDRFSGSGSGTDFTLKISRVEADVGVYYCMQRVEFPITFGQGTRLEIKRTVAAPSVFIFPPSDEQLK  
SGTASVVCLLNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDSTYLSSTLTLSKADYEKHKVYACEVTHQGLS  
SPVTKSFNRGEC ~~(SEQ ID NO:139)~~ ~~(SEQ ID NO: 52)~~

Please replace paragraph [0357] with the following amended paragraph:

[0357] Amino acid sequence of heavy chain variable region and a portion of constant region encoded by SEQ ID NO:45:

XXXXEQSGGGVVQPGRSLRLSCAASGFTFSSYGMWVRQAPGKGLEWVAVIWYDGSNKYYADSVKGRFTISRDNSK  
NTLYLQMNSLRAEDTAVYYCARDFYDSSRYHYGMDVWQGQGTTVTVSSASTKGPSVFPLAPCSRSTSESTAALGCLVKDYFPEPVTWSWNSGALTSGVHTFPALQSSGLS ~~(SEQ ID NO:140)~~ ~~(SEQ ID NO: 136)~~

**Applicants:** Landes *et al.*  
**U.S.S.N. 10/805,177**

Please replace paragraph [0359] with the following amended paragraph:

[0359] Amino acid sequence of light chain variable region and a portion of constant region encoded by SEQ ID NO:47:

~~XXXXTQCPLSLPVTPGEPASISCRSSQSLLSDDGNTYLDWYLQKPGQSPQLLIYTVSYRASGVPDRFSGSGSGTD  
FTLKRVEAEDVGVYYCMQRIEFPITFGQGTRLEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLN~~ +~~SEQ\_ID  
NO:141~~ (SEQ ID NO: 137)